Haloferrarius saponiacus

BAA-1337™

Description

Strain designation: IRB
Type strain: Yes

Storage Conditions

Product format: Freeze-dried
Storage conditions: 2°C to 8°C

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and

will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Medium:
ATCC Medium 2666: *Haloferrarius saponlacus* Medium
Temperature: 25°C
Atmosphere: Anaerobic

Handling Procedures

1. When the Balch tube is ready to inoculate, open the vial according to enclosed instructions.
2. For inoculation, use an anaerobic 1.0 ml syringe tipped with 22-gauge needle. Withdraw 0.5 ml of #2666 broth and use this to rehydrate the entire freeze dried pellet. Immediately place the rehydrated vial under a stream of sterile oxygen-free gas.
3. Using the same syringe, transfer the rehydrated cell suspension back to a tube of #2666 broth. Use 0.1 ml of the inoculated culture to inoculate a nonselective aerobic broth and/or plate; incubate aerobically at 37°C. Transfer

0.5 ml of the rehydrated culture to an additional tube of #2666 broth. Incubate the broth tubes at 25-28°C.

4. Growth should be detected in the #2666 broth within 24 to 48 hours. There should be no growth detected on media incubated aerobically.

ANAEROBIC CONDITIONS:

- Tubes of media are placed under a gassing cannula system hooked to a source of oxygen-free gas.
- All transfers are performed while the test tubes are on the cannula system with a gentle stream of oxygen free gas flowing through the system.
- As the test tubes are removed from the cannula system each is sealed with butyl rubber stopper thus maintaining the anaerobic headspace. A 100% nitrogen or 80% nitrogen-20% carbon dioxide gas mixture is typically employed as the oxygen-free gas source.

Notes

Growth is evident within 24 to 48 hours microscopically and due to the reduction of Fe (III).

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Haloferrarius saponiacus* (ATCC BAA-1337)

References

References and other information relating to this material are available at www.atcc.org.

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